

USER'S MANUAL SCOOTER WITH AUXILIARY ENGINE









EC Declaration Of Conformity

Manufacturer:

Blata, s r.o.

Address:

Prazska 9

678 01, Blansko Czech Republic

Product:

Scooter with auxiliary engine

Model:

BLATINO

Derived types:

BLATINO W/KIT BLATINO SMALL

The undersigned hereby declares, on behalf of BLATA, s.r.o., that the above-referenced product, to which this declaration relates, is in conformity with the provisions of:

Council Directive 98/37/EC

of 22 June 1998 on the approximation of the laws of the Member

States relating to machinery

and its amending directives

Council Directive 89/336/EEC of 3 May 1989 on the approximation of the laws of the Member

States relating to Electromagnetic Compatibility (EMC)

and its amending directives

and that the product has been designed to comply with the relevant sections of the below referenced specifications:

ČSN EN ISO 12100-1:2004 (EN ISO 12100-1:2003)

ČSN EN ISO 12100-2:2004 (EN ISO 12100-2:2003)

ČSN EN 294:1993 (EN 294:1992)

ČSN EN 811:1998 (EN 811:1996)

ČSN EN 953:1998 (EN 953:1997)

ČSN EN 563:1996 including amendment A1:2000 (EN 563:1994)

ČSN EN 1050:2001 (EN 1050:1996)

ECE Regulation No. 010-02

BLANSKO 1-5.2006

BLATA, s.r.o. Pražská 9 678 01 Blansko Czech Republic IČO: 255 22 132

Pavel Blata Managing Director

SAFETY WARNING



Always pay attention to the instructions and safety warnings below

This manual contains important safety information and instructions which should be read carefully before operating the vehicle. For your own safety and the safety of others follow these rules.

Neither manufacturer nor distributor is responsible for injuries caused by unsafe and improper use of the vehicle.



This vehicle is not allowed to be used on public roads!



Unsafe and careless use of the vehicle can result in serious injuries. The driver can minimize the potential risks by wearing safety equipment. The driver must wear a safety helmet, goggles, gloves, elbow pads, kneepads, and firm footwear. Avoid rough surfaces and obstacles. Always drive with both hands on the handlebars.



Always inspect the bike before each ride (refer to the article 'INSPECTION AND MAINTENANCE'). Failure to inspect and maintain your bike properly increases the risk of an accident or damage to the vehicle.



Fuel and fuel vapour are highly toxic and flamable. Always be careful when handling fuel – it can burn or poison you.

- stop the engine and turn off the fuel tap, keep naked flames and sparks away from your bike.
- do not smoke near your bike.
- refuel only outdoors in a well ventilated space
- clean up any excess fuel immediately
- keep children and pets away



Always ride within the limits of vehicle/ rider and weather conditions to avoid unnecessary accidents and injuries.



Check-ups

Shut the engine off when performing maintenance check-ups otherwise You could be severely injured if your hands or clothing get caught by moving parts.



Make sure the engine and exhaust are cold before performing any inspection of this machine



Riding with a chain in poor condition or improperly adjusted can lead to serious injury. Always, Inspect, Adjust and Maintain the drive chain properly before each ride.



Failure to inspect and properly maintain the brakes increases the risk of having an accident. Before each ride check the brake cables and the brakes efficiency.



Riding with worn brake pads can reduce the braking performance and cause an accident. Check and replace brake pads according to the instructions in this manual.



Using worn, improperly inflated, or incorrect tyres will reduce stability and can cause an accident.

DISPOSAL OF UNUSABLE PRODUCT

Unusable product become a waste and it's desposal should be in accordance with the law and any applicable local regulations. Don't throw this product to municipal waste.

SCOOTER-BLATINO

SERVICE MANUAL FOR USE AND MAINTENANCE AND SPARE PARTS LIST

For your own safety and the safety of others obey the following recommendations in order to use your SCOOTER in the most convenient and correct way. Read the instructions very carefully and follow them before riding the SCOOTER.

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SAFETY

This vehicle does not conform to Federal Motor Vehicle Safety Standards and is not intended for operation on public streets, roads or highways. Serious injuries can result from the unsafe operation of this vehicle. Wearing the safety equipment can prevent the assumed risks and injuries. Safety helmet, goggles, elbow pads, kneepads, gloves and appropriate shoes must be worn. Do not drive this vehicle in traffic, or on wet, frozen or oily surfaces. Avoid uneven surfaces and obstacles. Drive with two hands on the handlebars.

TECHNICAL DATA

ENGINE:		AIR COOLED	
	CYLINDER CAPACITY	27.00 cc	
	MAX. POWER	1,4 kW at 7800 rpm	
		1,92 Nm at 6600 rpm	
		ELECTRONIC	
		WALBRO with diaphragm	
	STARTING	MANUAL	
	CLUTCH	CENTRIFUGAL, FRICTION	
	TRANSMISSION	BY CHAIN ON THE REAR WHEEL	
FRAME:	WELDED	OF HIGH-STRENGHT STEEL TUBES	
	HANDLEBAR	OF DURALUMIN, FOLDABLE	
BODY:	FIB	ERGLASS REINFORCED PLASTIC	
	WITH ANTIVIBRATION M	IASS AND ANTISLIP SURFACE	
BRAKES:	FRONT WHEEL	MECHANICAL DISC BRAKES	
	REAR WHEEL	MECHANICAL DISC BRAKES	
WHEELS:		OF LIGHT ALLOY 4"- 51	
	REAR RIMS	OF LIGHT ALLOY 4"-51	
TIRE SIZE:	FRONT	2.80 - 4"	
		2.80 - 4"	
FUEL:	MIXTURE O	F PETROL 91 OR HIGHER OCTANE +	
	2 STROKE SYNTHETIC (OIL IN THE RATIO 50:1	
	FUEL TANK CAPACITY	1,4 L = 0,369 gal.	
		cca 1l / 40 km = 0,01 gal/ 1 mile	
SPEED:		35 km/ h = 21,7 MPH	
MAX. LOAD:		90 kg = 198 Lb	
WEIGHT:		15 kg = 33 Lb	
	BLATINO KIT	16,5kg = 36,3 Lb	
BASIC DIMENSIONS:			
	LENGHT	40,7" (1035 mm)	
	WIDTH	16,5 ° (418 mm)	
	HEIGHT	42,5" (1080 mm)	
	FOLDED HEIGHT	17 ,7" (450 mm)	

SETTING UP THE SCOOTER BEFORE A RIDE

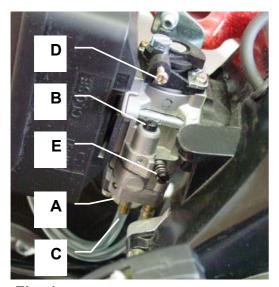
Make sure that all of the bolts and nuts are properly tightened, especially before the first ride. The SCOOTER is easily portable when the handlebars are in the folded position and locked with pin.

To put the SCOOTER into the drive position:

- unlock the handlebar pin and place the handlebars in the vertical position
- lock the handlebars with movable tube in down direction up to lower handlebars

To put the SCOOTER into the drive position with seat kit (follow step 1 and 2) plus insert the seat tube into the seat hole in rear fender so the tube is in the holder and is protected against mechanical movement. The seat is adjustable by unscrewing the attachment collar.

Fill the tank with fuel mixture, which should be a mixture of petrol 91 or higher Octane and 2-stroke synthetic oil in a ratio of 50:1 (for break-in 30:1). The period of break-in is until usage of 1.5 gallon of fuel mixture. Mix the petrol and oil very throughly before putting it into the fuel tank. Always turn off the engine to re-fuel it. Keep away from open flames.



ENGINE STARTING

- A primer fuel button
- **B** starter button (starter carburetor)
- C fuel outlet
- D idling speed adjusting screw
- E max. revolutions adjusting screw

Fig. 1 Instructions for starting up the engine:

- Approach the SCOOTER from the left side (in the forward direction)
- Hold twistgrip with left hand
- Press down on deckboard with left foot
- Hold pull-start with right hand

<u>Starting up a cold engine:</u> only slightly, or not at all open twistgrip. Press 5 to 6 times button "A" until the fuel runs through the fuel outlet "C" without bubbles. Press black button "B" once.

Firmly <u>pull</u> 1 to 4 times the pull-start (never pull the pull-start all the way out). If the engine does not start repeat the operations. When the engine starts up, let it run for about a minute before riding.

Starting up a warm engine: the above-mentioned operations are not necessary, just pull the pull-start to start the engine. If it is necessary rotate the twistgrip. During the break-in period do not use the full power of the engine. We do not recommend running the engine in max. revolutions without any load.

RIDING

After starting up the engine place one foot on the deck board and slightly rotate the twistgrip. In the moment when the SCOOTER begins to move forward place the other foot on the deck board, too. To stop or slow down rotate the gas lever backward and slow down, following these steps –

- pull with left hand the rear brake leverto slow down or stop
- slightly pull with right hand the front brake only to slow down

Do not brake abruptly with front brake as it can cause a CRASH (the brakes are very effective). Pressing the red button on the handlebars shuts down the engine.

To keep the SCOOTER quiet and safe do not drive with wide open throttle. Reasonable operations with the throttle lower the fuel consumption and noisiness without much speed reduction. Drive safely and always hold the handlebars with both hands.

SERVICE INSTRUCTIONS

The following service instructions should be performed periodically to keep the SCOOTER in fail-safe conditions.

Bolts and Nuts:

The bolts and nuts must be checked and tightened up again after every 25 hours of running time.

Air Filter:

The air filter must be checked and cleaned if needed after every 50 hours of running time. If the SCOOTER is used in a dusty environment the air filter must be checked and cleaned more often.

Instructions for dismantling the air filter:

The backside of the air filter can be dismantled after unlocking the interlock placed at the topside of the filter. Take out the filter elements and check for contamination. Contaminated filter elements should be carefully washed with detergent and dried thoroughly. The re-installation is made in the reverse order of the dismantling instructions.

Clutch:

The thickness of the clutch-lining shoe must be checked after every 100 hours of driving. The thickness cannot be less than 1 mm (0,039 in). The engine must be removed from the frame during the clutch control.

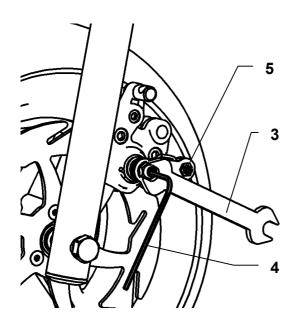
Instructions for dismantling the engine:

The first step is to dismantle the fuel tank and disconnect the fuel pipes.

Disconnect the gas cable from the carburetor and unscrew the four bolts on the clutch housing. The engine must be removed in the direction away from the clutch housing. The clutch housing will remain on the frame. Second step is the control of the clutch lining – the thickness cannot be less than 1 mm (0,039 in). In case the jaws (shoe) of the clutch must be changed the clutch spring must be changed, too.

The installation is made in the reverse order of the dismantling instructions. Check the connections of the fuel pipes to the carburetor.

ADJUSTING THE BRAKES



Small incremental brake adjustment:

Free play at the handlebar lever is effected by turning the knurled end on the cable adjustor. This will allow the lever to be set at the nominal to $\frac{1}{4}$ inch of free lever movement.

Basic brake adjusting:

Screw in the knurled cable adjustor at the brake lever so the cable is in it's most slack starting position.. At the caliper, loosen the nut, No. 3 and tighten the adjustable bolt No. 4, so the wheel cannot turn. Back off bolt No. 4 about 1/4 to 1/2 of a turn and fix it with lock nut No. 3. Do not use the cable retainer No. 5 for adjusting the brakes!

BRAKE PADS REPLACEMENT: FIG.7

At first, screw in the knurled cable adjustor at the brake lever on the handlebars. Unscrew two screws M5-914.003.01 that hold the brake body on fork and shift out the brake backwards. Take out from brake body two distance columns and two columns with coil. Do not loosen the cable retainer! Unscrew screws M6-914.010.01 and separate both halves of brake body and shift the worn-out brake plates out. Into the part with operating mechanism slide the brake plate with pin bore and unscrew completely the adjusting screw. Force on carefully the brake plate into the opposite piece. Before reassembly clean the whole brake. Assembly follows in reverse sequence.

Carburettor:

After the engine has been run in, sometimes the carburettor has to be adjusted. We suggest you have this operation done by a qualified service shop. For those who believe they are able to do it themselves, this is the procedure you must follow:

The setting is done with the rear wheel lifted and the engine running. Let the engine run at full speed by turning the gas grip and then by turning the adjusting screw (Fig. 1 – adjusting screw "E"). Set (tune) the engine to the highest possible speed and then turn the gas grip back.

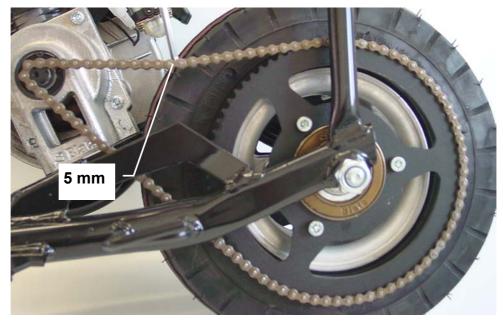
Set idling speed to between 3000 and 3100 rpm by turning screw "D" – see Fig. 1. The carburettor is a very fine piece of equipment and must be kept clean.

Service and Chain Adjusting:

The chain adjustment can be seen on the Fig. 3. Unscrewing three bolts M 6 – 914.007.01, which hold the engine to the frame from the bottom side of the SCOOTER, and moving the engine into the front can increase the chain tension. Check if the pinion is not orientated against the chain. When the chain is adjusted for 5 mm (1/4 inch) play tighten up the bolts.

Regular lubrication of the chain increases its lifetime and protects from noisiness. It is necessary to lubricate the chain after every engine wash or ride in the rain. It is recommended to use special spray oil for chains.

Fig. 3



Tire Pressure:

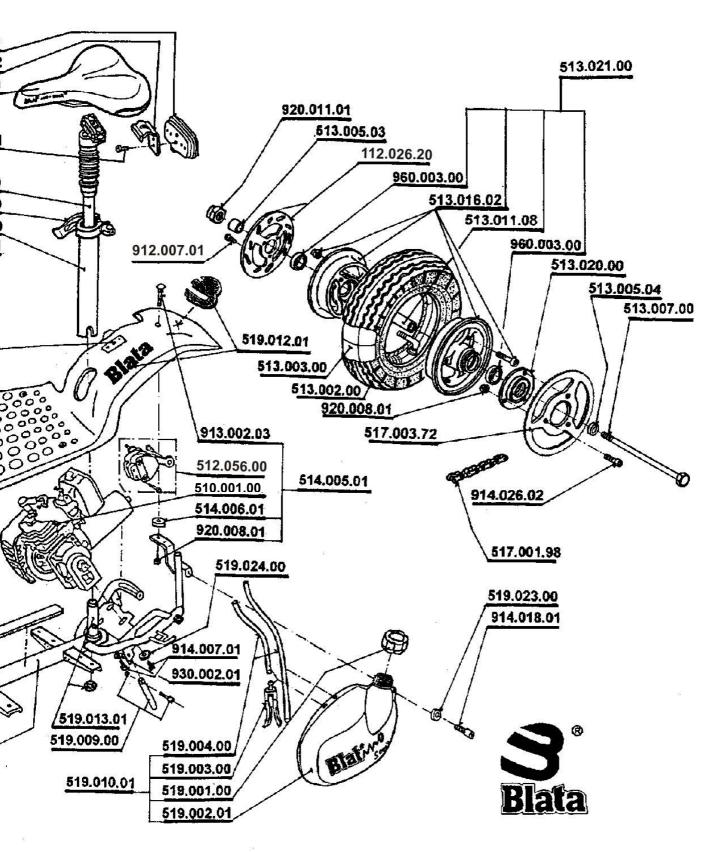
The general tire pressure depends on the weight of a driver and the character of the road. The average pressure is between 160 – 210 kPa (23 – 30 PSI). The higher rates are recommended for heavier drivers and the smoothest roads.

STORAGE AND CUT OFF PERIOD

For the storage period the fuel evaporation will occur. The fuel evaporation can cause malfunction of membrane pump. For this reason it is necessary once a month to refill the fuel into the fuel tank and pump it with the button "A" (Fig. 1) into the carburetor and /or restart the engine, too.

The SCOOTER must be stored in a dry place and protected from dust.

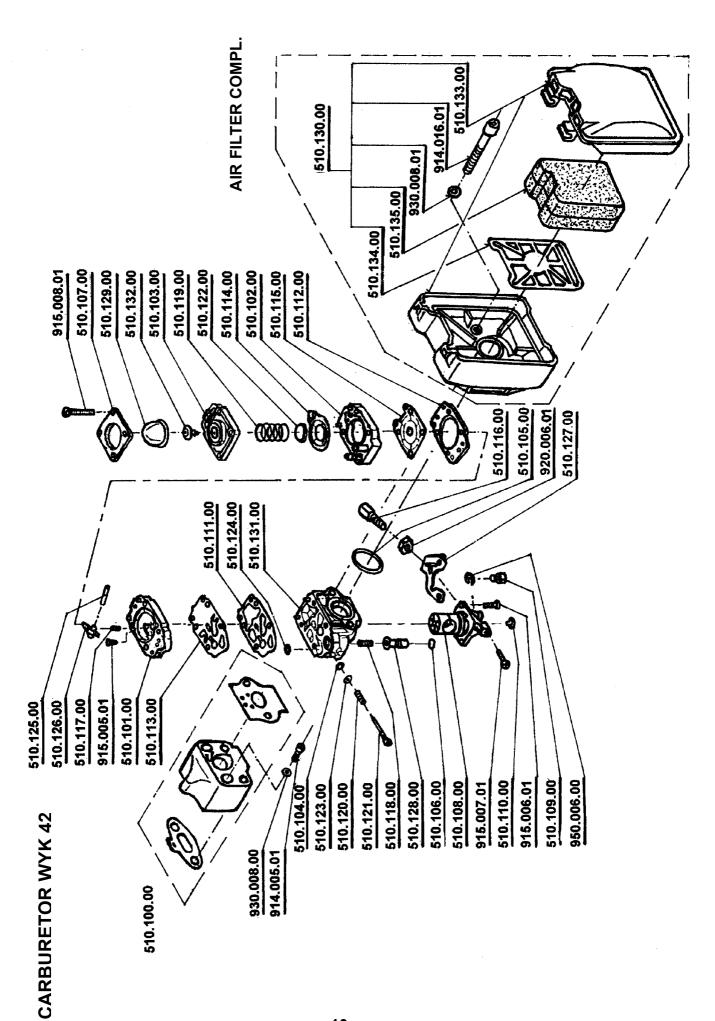
513.014.01



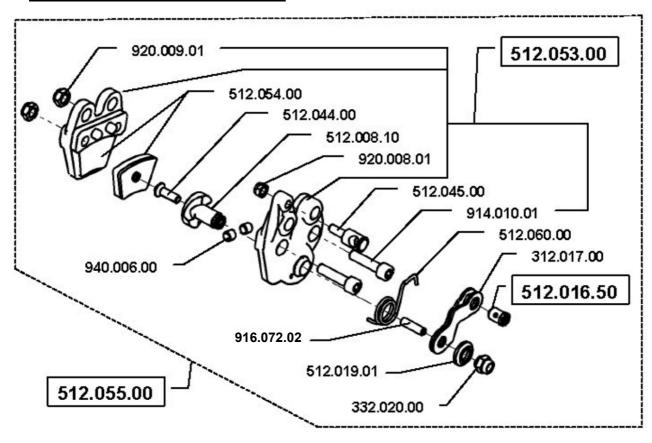


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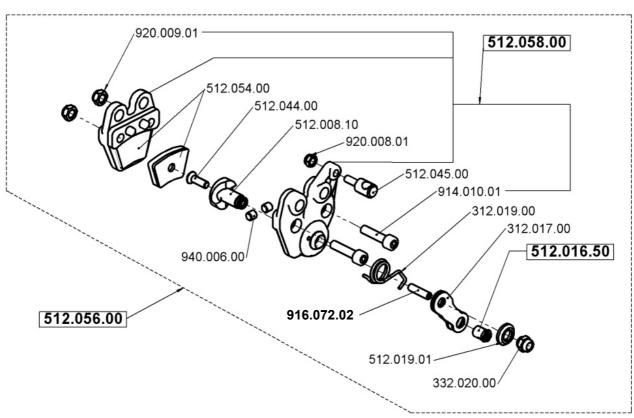
510.002.00



512.055.00 - FRONT BRAKE COMPLETE



512.056.00 - REAR BRAKE COMPLETE



	SCOOTER BLATINO		
510.000.00	SCOOTER BLATINO	510.103.00	CAP PUMP
	ENGINE	510.104.00	PACKING RING
510.001.00	ENGINE COMPLETE	510.105.00	PACKING RING 22
510.001.01	ENGINE PROPER	510.106.00	GASKET
510.002.00	STARTER COMPLETE	510.107.00	HOLDER
510.003.00	STARTER ROPE	510.108.00	TROTTLE VALVE
510.004.00	FORMED BED - PLATE	510.109.00	BOWDEN HOLDER
510.005.00	STARTER ROPE HAND HOLDER	510.110.00	COVERING
510.006.00	GUIDE BUSH	510.111.00	SEALING
510.007.00	STARTER CASE	510.112.00	DIAPHRAGM SEALING
510.008.00	SPRING	510.113.00	DIAPHRAGM III
510.009.00	RATCHET WHEEL	510.114.00	DIAPHRAGM I
510.010.00	CLUTCH BLOCK SCREW - COMPLETE	510.115.00	DIAPHRAGM II
510.011.00 510.012.00	WASHER 4,5 x 16 x 1,5 CLUTCH COMPLETE	510.116.00 510.117.00	ADJUSTING SCREW BOWDEN SPRING
510.012.00	CLUTCH COMPLETE CLUTCH BLOCK - PAIR	510.118.00	SPRING
510.013.00	SCREW	510.119.00	SPRING
510.015.00	WASHER	510.120.00	SPRING
510.016.00	SPRING	510.121.00	NEEDLE VALVE
510.017.00	WASHER	510.122.00	WASHER SPRING
510.018.00	SUBBASE	510.123.00	WASHER
510.019.00	CLUTCH CASE - COMPLETE	510.124.00	PACKING RING
510.020.00	PINION	510.125.00	SPINDLE VALVE
510.021.00	CLUTCH CASE	510.126.00	VALVE
510.022.00	CLUTCH CYLINDER	510.127.00	BOWDEN HOLDER
510.023.00	CYLINDER + PISTON COMPLETE	510.128.00	BUTTON CHOKE
510.024.00	CYLINDER - A	510.129.00	BUTTON PUMP
510.024.01	CYLINDER - B	510.130.00	AIR FILTER COMPLETE
510.024.02	CYLINDER - C	510.131.00	CLUTCH CARBURETTER II
510.024.03	CYLINDER - D	510.132.00	VALVE
510.025.00	SEALING	510.133.00	CASE
510.026.00	SEALING	510.134.00	PROTECTIVE GRATING
510.027.00	FLANGE SEALING	510.135.00 510.145.00	AIR FILTER
510.028.00 510.029.00	SEALING	510.145.00	WASHER 5 x 8,5 x 1 <i>FRAME</i>
510.023.00	PISTON COMPLETE - A	511.001.01	FRAME
510.031.01	PISTON COMPLETE - B	011.001.01	BRAKE
510.031.02	PISTON COMPLETE - C	112.025.01	BRAKE DISC - FRONT
510.031.03	PISTON COMPLETE - D	112.026.20	BRAKE DISC - REAR
510.032.00	PISTON RING	312.017.00	LIFTER LEVER
510.033.00	PISTON - A	312.019.00	SPRING, RIGHT
510.033.01	PISTON - B	332.020.00	NUT
510.033.02	PISTON - C	512.004.00	HANDLE BAR LEVER, RIGHT
510.033.03	PISTON - D	512.005.00	HANDLE BAR LEVER, LEFT
510.034.00	WRIST - PIN	512.006.00	BOWDEN CABLE - FRONT
960.103.00	BEARING	512.007.00	BOWDEN CABLE - REAR
510.037.00	CRANK BALANCED	512.008.10	LIFTER, LEFT
510.039.00	ENGINE CRANK CASE	512.016.50	TERM. CLAMP BOWDEN
510.040.00	PIN	512.019.01	WASHER
510.041.00	SEALING ENGINE CRANK CASE	512.042.00	DISTANCE SLEEVE
510.045.00 510.046.00	COVERING COVERING	512.043.00 512.044.00	BRAKE PIN LIFTER PIN
510.046.00	SEALING SET	512.044.00 512.045.00	BOWDEN HOLDER
510.050.00	MUFFLER	512.045.00	FRONT BRAKE CASE - 1 PAIR
510.052.00	MUFFLER	512.053.00	DISC BRAKE PADS - 1 PAIR
3.0.002.00	<u>CARBURETOR</u>	512.055.00	BRAKE COMPLETE - FRONT
510.100.00	CARBURETOR WYK 42	512.056.00	BRAKE COMPLETE - REAR
510.101.00	CARBURETOR CASE	512.058.00	REAR BRAKE CASE

512.060.00 SPRING RIGHT

510.102.00 CASE PUMP

	<u>WHEELS</u>	519.009	00 STAND - COMPL	ETE
513.001.01	FRONT RIMS	519.010	1 TANK - COMPLET	ΓΕ
513.002.00	TYRE	519.012	1 LABEL BLATINO	- COMPLETE
513.003.00	TUBE	519.013	1 SADDLE HOLDER	₹
513.005.03	DISTANCE SLEEVE L = 3,5	519.014	0 HEAD SEAT POS	Т
513.005.04	DISTANCE SLEEVE L = 5	519.015	10 LAMP BRACKET	+ (SCREWS 2 PCS)
513.006.00	AXLE OF WHEEL L = 155	519.016	0 SEAT CLAMP	
513.007.00	AXLE OF WHEEL L = 160	519.018	0 SADDLE	
513.011.01	DISTANCE SLEEVE 78,3	519.019	0 SUSPENSION SE	AT POST
513.011.08	DISTANCE SLEEVE 83,3	519.020	1 SUSPENSION SA	DDLE - COMPLETE
513.014.01	FRONT DISC - COMPLETE	519.021	2 LAMP BRACKET	
513.016.02	REAR DISC	519.023	10 WASHER 5,4 x 16	3 x 1
513.020.00	FREEWHEEL	519.024	10 WASHER 6,4 x 18	3 x 1,5
513.021.00	REAR DISC - COMPLETE	519.040	1 CARRIING BAG	
	<u>BODY</u>		JOINING ELEME	<u>NTS</u>
514.001.00	BODY	911.001	1 SCREW M 5 x 27	
514.001.01	BODY KIT	912.003	1 SCREW M 5 x 25	
514.002.00	SCREW BODY I - COMPLETE	913.001	3 SCREW M 5 x 25	
514.003.00	FRONT FENDER	913.002	3 SCREW M 5 x 20	
514.004.00	SCREW FENDER	914.001	1 SCREW M 5 x 16	
514.005.01	SCREW BODY II - COMPLETE	914.002	2 SCREW M 5 x 16	
514.006.01	RUBBER WASHER	914.005	1 SCREW M 5 x 30	
514.006.02	RUBBER WASHER	914.007	1 SCREW M 6 x 16	
514.007.00	WASHER	914.009	1 SCREW M 6 x 22	
514.008.00	WASHER	914.013	1 SCREW M 5 x 35	
514.009.00	WASHER	914.014	1 SCREW M 4 x 20	
514.010.00	WASHER FRONT FENDER	914.016	1 SCREW M 5 x 45	
514.011.00	HOLDER CLOCK - RIVETS	914.018	O1 SCREW M 5 x 10	
514.012.00	WASHER FOR FRAME	914.026	SCREW M 5 x 12	
	<u>CONTROL</u>	915.001	1 SCREW M 4 x 8	
515.001.01	HANDLEBARS	915.002	1 SCREW 4 x 8	
515.002.00	HAND GRIPS - PAIR	915.003	11 SCREW 4 x 13	
515.004.01	FORK	915.004	11 SCREW M 4 x 10	
515.005.00	HEAD SET	915.005		
515.006.00	THROTTLE CONTROLS	915.006	11 SCREW M 3 x 10	
515.007.00	BOWDEN DUST GUARD	915.007		
	ADJUSTING SCREW	915.008		
515.009.00	GAS BOWDEN CABLE	916.065		
	<u>TRANSSMISION</u>	920.001		
517.001.98	CHAIN 98	920.002		
517.003.72	SPROCKET, NO. TEETH 72	920.004		
	EL. INSTALACE	920.006		
518.001.00	KILL SWITCH	920.007		
518.002.00	HEAD LAMP	920.008		
518.003.00	REAR LAMP	920.009		
518.004.00	DYNAMO	920.011		
518.005.00	EL. CABEL	930.002		
518.006.00	EL. CABEL	930.003		
518.007.00	FASTON CAVED	930.008		
518.008.00	FASTON CAVER	930.010		
518.009.00	PVC TUBE	930.014		
518.010.00	IGNITION ELECTRONIC	940.006		mm
518.011.00	ROTOR	950.001		
518.012.00	SPARK PLUG	950.002		
118.010.00	ZIP TIES	950.005		
518.013.00	ZIP TIES	950.006		
518.014.00	ZIP TIES	950.012		
E40 004 00	OTHER PARTS	960.001		
519.001.00	SCREW CAP	960.003		ZZK
519.002.01	TANK	960.005		C
519.003.00 519.004.00	FUEL FILTER GAS TUBE	960.103		
519.004.00	O/10 TODE	970.001	TAUNUNU KING	14 X 44 X I

It is a great honor for us, that you have chosen our product. We believe that the SCOOTER will work for you without problems and will bring you pleasure and fun.
The producer of the SCOOTER is BLATA Company.
Manufacturing NumberCZ
Signature of the technical control:
This manual serve also as a guarantee list. Please, after receiving the product check the manufacturing number and the date of sale. In the case of a claim it is necessary to submit this guarantee list.
Name & Address of Dealership:
Date of purchase:
Salesperson signature:

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